

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Patent Application No.: 10/501,787

Attorney Docket No.: Q82601

AMENDMENTS TO THE SPECIFICATION

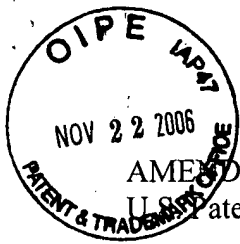
Please replace the paragraph on page 6, line 18 with the following amended paragraph:

To solve the problem, ~~inventions of claims 1 through 5 relate to armatures of linear motors. The invention of claim 1 is directed to~~ the present invention provides an armature of a linear motor having a modular-type armature which is divided into a plurality of armature blocks and around which an armature winding is coiled, a plurality of the armature blocks being formed by sequentially coupling a plurality of block cores, and connectors to be used for electrically connecting lead wires of armature windings coiled around the armature blocks are provided on both ends of a plurality of the armature blocks such that connections of the respective armature blocks and connections of the armature windings become serial or parallel, wherein the connectors provided between the armature blocks are in the form of in-phase connections.

Please replace the paragraph on page 7, line 7 with the following amended paragraph:

~~The invention of claim 2 is directed to the armature of the linear motor defined in claim 1, wherein,~~ Specifically when the number of the armature windings is three and a magnetic pole pitch of a magnetic field is taken as τ_p , the armature blocks are separated from each other at intervals corresponding to an electrical angle of an integral multiple determined by dividing the magnetic pole pitch by the number of sub-divisions of the armature blocks.

Please replace the paragraph on page 7, line 15 with the following amended paragraph:



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~~The invention of claim 3 is directed to the invention defined in claim 2, wherein More~~
specifically the armature blocks are separated from each other at intervals of $2/3$ the magnetic
pole pitch.

**Please replace the paragraph on page 7, line 18 with the following amended
paragraph:**

~~The invention of claim 4 is directed to the invention defined in claim 2, wherein More~~
specifically the armature blocks are separated from each other at intervals of $4/3$ the magnetic
pole pitch.

**Please replace the paragraph on page 7, line 21 with the following amended
paragraph:**

~~Moreover, the invention of claim 5 is directed to any one of the inventions defined in
claims 1 through 4, further having In a specific enhancement the armature has an armature mount~~
plate which is arranged in the direction of thrust of the linear motor and provides a retaining
function provided on each of the armature blocks, an engagement projection provided at one end
of each armature mount plate, wherein an engagement groove is formed in the other end of the
same to couple together the armature blocks.

**Please replace the paragraph on page 8, line 4 with the following amended
paragraph:**

~~The invention of claim 6 is directed to a linear motor having: an armature of a linear motor defined in any one of claims 1 through 5, and~~ In yet an other specific enhancement,
the armature has a magnetic field disposed so as to oppose the armature by way of a gap, wherein the magnetic field is generated by a yoke, and a plurality of permanent magnets disposed on the yoke such that different polarities are arranged alternately, and either the armature or the magnetic field is taken as a movable element which moves, and the other is taken as a stator.